2955

R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO.	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2955	038	02	16	76	21AN	3440	7637

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0004	12	11	14	035	Y	SW	03

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
1	FG	SA	S	FT	070	—	10	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00378	—	0007	00059

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3H6	3X1			PO	DO
START	34° 40′	76° 37′	1785	4873	4		1025	1026
							PU	ON
FINISH	34° 39′	76° 35′	1775	4867	4		1056	1102

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1209.2 / 5	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

1 American Shad

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21AN

R/V DAN MOORE SPECIES LIST

STA. NO. 2955 DATE Feb 19 16 BIOLOGISTS BFH JV SGK

TOT. CATCH WT. 444.5 AIR 14 SURFACE 12.3 BOTTOM 11.2

SAMPLE WT. 43.5 RAISING FACTOR $\frac{440}{44} = 10$

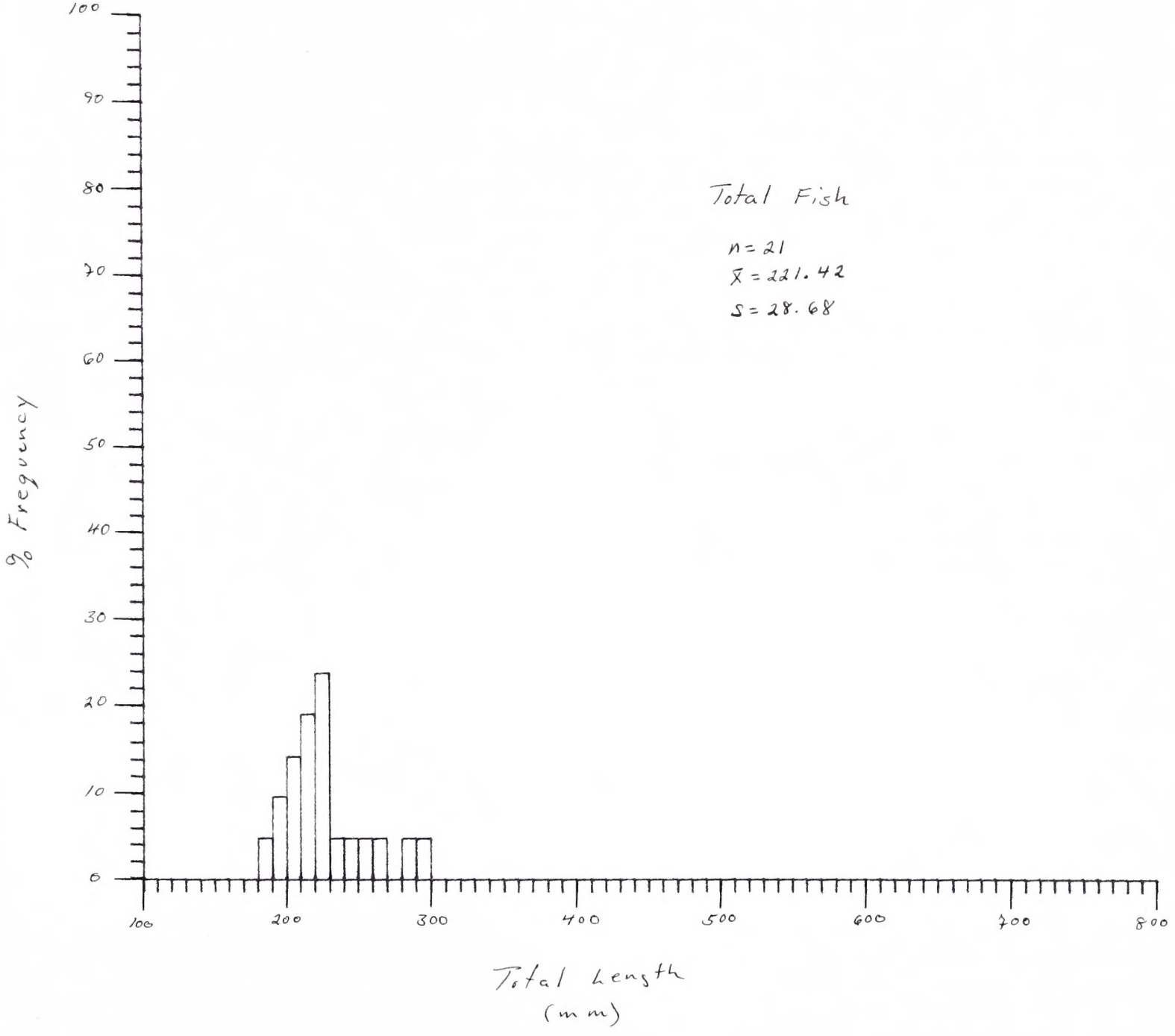
		SUBSAMPLE		TOTAL			
SPECIES	C or NC	NUMBER	WEIGHT	NO.	WT.	X WT	REMARKS
Stenotomus caprinus	NC	640	25	6400	250	<0.1	7 = 179
Leiostomus xanthurus	NC	215	8	2150	80	<0.1	
Cynoscion regalis	NC	9	.8	90	8	0.1	
Menticirrhus americanus	NC	1	0.3	10	3	0.3	
Micropogon undulatus	NC	34	3	340	30	0.1	
Paralichthys dentatus				4	2	0.5	total
Alosa sapidissima				1	0.1	0.1	total 163 I Mcl
Brevoortia tyrannus		1	0.2	10	2	0.2	
Baird ella chrysura		1	0.1	10	1	0.1	
Trichiurus lepturus		1	0.2	10	2	0.2	
Peprilus alepidotus		1	0.1	1	0.1	0.1	total
Peprilus triacanthus		3	0.3	3	0.3	0.1	total
Busycon sp.				6	6	1.0	
Dinocardium robustum				1	1	1.0	
Limulus polyphemus				2	3	1.5	
jellys			5.5		55	—	
Loligunculla brevis		1	0.1	10	1	0.1	

435

Species: P. centatus

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1	293	♀						I	2955	Area IV
2	302	♀						I	"	
3	207	♀						I	"	
4	296	♀						I	"	

February 1976
Area II



Total Fish

$n = 21$

$\bar{X} = 221.42$

$S = 28.68$

Length-frequency distribution

Species: *Paralichthys dentatus*

Station: SUMMARY

Date: FEBRUARY 1976

Locality: AREA III

T.L.	♂	♀	SEXES COMB.
100 - 104.9			
110 -			
120 -			
130 -			
140 -			
150 -			
160 -			
170 -			
180 -			
190 -			
200 -			
210 -			
220 -			
230 -	1		1
240 -			
250 -			
260 -			
270 -	1	1	2
280 -		1	1
290 -			
300 -			
310 -		1	1
320 -			
330 -			
340 -			
350 -			
360 -		1	1
370 -			
380 -			
390 -	2	4	6
400 -			
410 -			
420 -			
430 -			
440 -			
450 -			
460 -			
470 -			
480 -			
490 -			
500 -			
510 -			
520 -			
530 -			
540 -			
550 -			
560 -			
570 -			
580 -			
590 -			

T.L.	
600 -	
610 -	
620 -	
630 -	
640 -	
650 -	
660 -	
670 -	
680 -	
690 -	
700 -	
710 -	
720 -	
730 -	
740 -	
750 -	

RANGE: ♀ 271 - 368

♂ 234 - 274

SEX RATIO: ♀ 4

♂ 2

Sheet ___ of ___

Length-frequency distribution

Species: *P. dentatus*

Station: 2955
21 AN

Date: Feb 16 1976

Locality: AREA IV
SUMMER

T.L.	♂	♀
100 - 104		
110 -		
120 -		
130 -		
140 -		
150 -		
160 -		
170 -		
180 -		
190 -		
200 -		1
210 -		
220 -		
230 -		
240 -		
250 -		
260 -		
270 -		
280 -		
290 -		2
300 -		1
310 -		
320 -		
330 -		
340 -	0	4
350 -		
360 -		
370 -		
380 -		
390 -		
400 -		
410 -		
420 -		
430 -		
440 -		
450 -		
460 -		
470 -		
480 -		
490 -		
500 -		
510 -		
520 -		
530 -		
540 -		
550 -		
560 -		
570 -		
580 -		
590 -		

T.L.
600 -
610 -
620 -
630 -
640 -
650 -
660 -
670 -
680 -
690 -
700 -
710 -
720 -
730 -
740 -
750 -

SEX RATIO: 4 ♀
0 ♂

RANGE ♀ 207 - 302

Species: *Alosa sapidissima*

Specimen Number	F.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
54	163	♂						IMM	2955	
					total		Feb	76 cruise		

Males

10.00 I
11.00 n
. . . . . .
1.00
9.09 P
180.00

1.00
9.09 P
190.00

3.00
27.27 P
200.00

3.00
27.27 P
210.00

3.00
27.27 P
220.00

. . . . . .

1.
11.00 n
2.
205.45 M
3.
167.27 S
4.
12.93 SD

Females

1.00
-10.00 P
190.00

1.00
-10.00 P
210.00

2.00
-20.00 P
220.00

1.00
-10.00 P
230.00

1.00
-10.00 P
240.00

1.00
-10.00 P
250.00

1.00
-10.00 P
260.00

1.00
-10.00 P
280.00

1.00
-10.00 P
290.00

. . . . . .

1.
10.00 n
2.
239.00 M
3.
387.77 S
4.
31.42 SD

```
. . . . . .
        10.00          I
        21.00          n
. . . . . .
         1.00
         4.76          P
       180.00

         2.00
         9.52          P
       190.00

         3.00
        14.28          P
       200.00

         4.00
        19.04          P
       210.00

         5.00
        23.80          P
       220.00

         1.00
         4.76          P
       230.00

         1.00
         4.76          P
       240.00

         1.00
         4.76          P
       250.00

         1.00
         4.76          P
       260.00

         1.00
         4.76          P
       280.00

         1.00
         4.76          P
       290.00

. . . . . .

1.
        21.00          n
2.
       221.42          M
3.
       822.85          ∫
4.
        28.68          ∑
```

Feb 1979
Area II
Sexes comb.